TRANSLATION STOP FOR USE IN POWER EQUIPMENT

Cross-Reference to Related Applications

This application claims the benefit of and priority from the following U.S. Provisional Patent Applications, the disclosures of which are herein incorporated by reference: Serial No. 60/233,459, filed September 18, 2000, Serial No. 60/270,011, filed February 20, 2001, Serial No. 60/270,941, filed February 22, 2001, Serial No. 60/270,942, filed February 22, 2001, Serial No. 60/273,177, filed March 2, 2001, Serial No. 60/273,178, filed March 2, 2001, Serial No. 60/273,902, filed March 6, 2001, Serial No. 60/275,594, filed March 13, 2001, Serial No. 60/275,595, filed March 13, 2001, Serial No. 60/279,313, filed March 27, 2001, Serial No. 60/292,081, filed May 17, 2001, Serial No. 60/292,100, filed May 17, 2001, Serial No. 60/298,207, filed June 13, 2001, Serial No. 60/302,937, filed July 2, 2001, Serial No. 60/302,916, filed July 3, 2001, Serial No. 60/306,202, filed July 18, 2001, Serial No. 60/307,657, filed July 25, 2001, Serial No. 60/308,492, filed July 27, 2001, and Serial No. 60/312,141, filed August 13, 2001.

This application claims the benefit of and priority from the following U.S. Patent Applications, the disclosures of which are herein incorporated by reference: Serial No. 09/676,190, filed September 29, 2000, currently pending Serial No. 09/929,221, filed August 13, 2001, Serial No. 09/929,226, filed August 13, 2001, Serial No. 09/929,227, filed August 13, 2001, Serial No. 09/929,234, filed August 13, 2001, Serial No. 09/929,235, filed August 13, 2001, Serial No. 09/929,236, filed August 13, 2001, now abandoned, Serial

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No. 09/929,237, filed August 13, 2001, Serial No. 09/929,238, filed August 13, 2001, Serial No. 09/929,240, filed August 13, 2001, Serial No. 09/929,241, filed August 13, 2001, Serial No. 09/929,242, filed August 13, 2001, Serial No. 09/929,244, now U.S. Patent 6857345, filed August 13, 2001, Serial No. 09/929,425, filed August 13, 2001, and Serial No. 09/929,426, filed August 13, 2001. These applications, in turn, may claim the benefit of and priority from one or more of the following U.S. Provisional Patent Applications, the disclosures of which are herein incorporated by reference: Serial No. 60/225,056, filed August 14, 2000, Serial No. 60/225,057, filed August 14, 2000, Serial No. 60/225,058, filed August 14, 2000, Serial No. 60/225,059, filed August 14, 2000, Serial No. 60/225,089, filed August 14, 2000, Serial No. 60/225,094, filed August 14, 2000, Serial No. 60/225,169, filed August 14, 2000, Serial No. 60/225,170, filed August 14, 2000, Serial No. 60/225,200, filed August 14, 2000, Serial No. 60/225,201, filed August 14, 2000, Serial No. 60/225,206, filed August 14, 2000, Serial No. 60/225,210, filed August 14, 2000, Serial No. 60/225,211, filed August 14, 2000, and Serial No. 60/225,212, filed August 14, 2000.

Field of the Invention

The present invention relates to safety systems and more particularly to a safety system that stops translational motion of a cutting tool in power equipment.

Background

Power equipment such as miter saws and radial arm saws include circular blades that move down onto or across a workpiece to cut the workpiece. Pneumatic up-cut chop saws often have a blade that rises through a slot in a table to cut a board. The blades,